# APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY

Wisconsin Department of Transportation

DT1553 8/2022 s. 66.0831, 84.01(31), 84.08, 85.15, 86.07(2)(a), 86.16, 182.017 and other applicable Wis. Stats.

**1. Applicant (Utility facility owner) Name and Address**

Richland County Sheriff's Office
181 W. Seminary Street
Richland Center, WI 53581

**2. Work Start Date:** Upon Approval

**3. Work Finish Date★:** 12/30/2023

**4. Is the work due to a WisDOT highway project?** ☐ Yes ☒ No

**5. Applicant Work Order or Project ID # (If any)**
257036: WI - Iowa County SO DOT (Richland County)

**6. Public Land Survey System Location (¼ section, section, town, range; provide plat map)**
Camera #03 SE1/4 NE1/4 S33 T11N R2W
Camera #04 SW1/4 NW1/4 S25 T9N R1W

**7. Municipal/County Location (List all that apply)**
Town: Sylvan, Eagle
Village:
City:
County: Richland

**8. Highway (List all that apply)**
WIS: 80
US: 14
Interstate:

***Provide a separate location map if the plat map is not adequate.***

**9. Facility Type (Check all that apply) and Description (Size, material, voltage, pressure, # fibers, etc.)**
☒ Comm: ALPR Camera
☐ Electric:
☐ Gas/Oil:
☐ Water:
☐ Sewer:
☐ Casing:
☐ Conduit:
☐ _____:
☒ Transmission ☐ Service
☐ Distribution ☐ Service (ESCP)

**10. Facility Orientation (Check all that apply)**
☐ Underground ☒ Overhead
☐ Crossing ☒ Parallel
☐ OSOW high clearance route
☐ Bridge attachment
☐ Scenic easement (Off right-of-way)

**11. Work Types (Check all that apply)**
☒ New facility ☐ Remove
☐ Joint install ☐ Maintenance
☐ Improve or repair existing ☐ Discontinue, left in place

**12. Proposed Work Methods (Check all that apply)**
☐ Trench ☐ Plow
☐ Place fill ☐ Rock blasting
☐ Place cable in conduit ☐ Open cut pavement
☒ Hand/mechanical excavation

Bore:
☐ Hydraulic (Auger/Jack/Tunnel)
☐ Pneumatic (Mole)
☐ Directional 1 (Manually tracked)
☐ Directional 2 (Computer tracked)
☐ Unknown (At this time)

Install or attach to poles/towers:
☒ New ☐ Existing ☐ Guys
2.875" (~Diameter) (Name of existing owner)
(Provide details for all guy wires on plan sheets)

Pothole (Subsurface excavation):
☐ Air ☐ Water

Tree/vegetation control:
☐ Trim (Prune) ☐ Plant
☐ Remove (Cut) ☐ Mow
☐ Chemically treat

**13. Work Zone Description (Check all that apply).** (Provide relevant diagram(s) with application.)
☐ Not applicable
☐ Full road closure: detour
☐ Full road closure: temporary
☐ Lane closure without flagging
☐ Lane closure with flagging
☐ Lane encroachment (2 feet or less)
☒ Shoulder/parking lane closure
☐ Turn lane closure
☐ Sidewalk or trail closure
☐ Terrace (Area from curb to sidewalk)
☐ Off shoulder/parking lane
☐ Near right-of-way line or fence
☐ Freeway/expressway
☐ Intersection/roundabout
☐ Railroad crossing
☐ Mobile operation

**14. Is the facility near a survey monument?** HMM 09-15-35 If yes, call (866) 568-2852 or email geodetic@dot.wi.gov.
☐ Yes ☒ No

**15. Will appurtenances be installed with the facility? If yes, provide a description and/or specification for each item.**
☒ Yes ☐ No

**16. Trans 401 category? If Major, provide a formal erosion control plan.** HMM 09-15-55
☐ Major ☒ Minor

**17. Is the Environmental Checklist included? See** HMM 09-15-16 Attachment 1. WisDOT will not review a permit application until a completed Checklist is submitted.
☒ Yes ☐ No

★ **Includes permanent restoration. If the permitted work has not started by the "Work Finish Date," this permit is null and void. If the permitted work has started but has not been completed by the "Work Finish Date," the work shall not be completed unless authorized through an approved written time extension or a subsequent permit.** ***ANY PERMIT ISSUED IS REVOCABLE.***

**18. Utility Person Responsible for Construction** — Telephone Number
Erica Rios — (385) 201-0725

**19. Utility or Project 24/7 Emergency Contact** — Telephone Number
Erica Rios — (385) 201-0725

**20. Provide company name and address of utility authorized representative if not employed by the applicant.**
Flock Safety
1170 Howell Mill Rd NW, Suite 210,
Atlanta, GA 30318

**21. Provide additional work details, if needed (use back page or include separate pages)**
Installation of two automated license plate reader (ALPR) cameras.

**It is understood and agreed that WisDOT approval is subject to the applicant's full compliance with all pertinent statutes, as well as any regulations and rules of other jurisdictional agencies (which may be more restrictive), any supplemental permit provisions, and WisDOT's *Utility Accommodation Policy*, current edition.**

*Clay J. Porter* 03/29/2023
(Utility Authorized Representative Signature – If filled via computer, brush script font) (Date)

Sheriff (608) 647-8906 clay.porter@co.richland.wi.us
(Title) (Telephone Number) (Email Address)

***This permit does not transfer any land, or give, grant or convey any land right, right in land, or easement in WisDOT right-of-way. It is not assignable or transferrable. If the utility facility changes ownership, this permit terminates. The new owner must then obtain a permit to occupy, operate and maintain the facility in WisDOT right-of-way.***

**⬇ Completed by Wisconsin Department of Transportation – REVIEW AFTER PERMIT ISSUANCE ⬇**

☒ **UTILITY SHALL NOTIFY WISDOT REPRESENTATIVE LISTED BELOW 3 DAYS BEFORE STARTING ANY WORK:**
Region contact, office address, telephone number and email address
Noah Dufoe-Guiles, Utility Permit Coordinator
Wisconsin DOT
Southwest Region - La Crosse
3550 Mormon Coulee Rd
La Crosse, WI 54601
swutilitypermits@dot.wi.gov (608) 246-5629

4822 Madison Yards Way, 5th Floor South, Madison, WI 53705 kathy.jennings@dot.wi.gov (608) 261-8976
(Bureau of Highway Maintenance Contact Information)

☒ **Review All Supplemental Permit Provisions**
☒ **Revisions Made to Drawings or Other Pages**
☒ Lane Closure System notification required HMM 09-15-60
☐ Insurance or performance bond required
☐ Joint installation: See permit(s) #_____
☐ Private utility (Non-public ownership and/or use)
☐ Expedited Service Connection Permit
☐ This permit voids & supersedes #_____ issued:_____
☐ _____

*Kathy Jennings*
(WisDOT Authorized Representative Signature – If filled via computer, Brush Script font)

| | |
|---|---|
| Application Received | 03/30/2023 |
| Application Completed | 03/30/2023 |
| Permit Issued | 04/10/2023 |
| Permit Extended | |
| Permit Amended | 08/04/2023 |
| Permit Number | **001443-A1** |

# APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY *(continued)*

Wisconsin Department of Transportation DT1553

Use this section to provide information that does not fit on front page

AMENDMENT A1:

ALUMINUM POLE IS BEING INSTALLED INSTEAD OF STEEL.

WORK COMPLETION DATE HAS BEEN REVISED.

LOCATION OF CAMERA #3 HAS BEEN REVISED. INSTALL CAMERA APPROXIMATELY 75' FROM THE END OF BEAMGUARD. POLE SHALL NOT BE PLACED BEHIND THE END TREATMENT.

**INDEMNIFICATION**

This Applicant shall save and hold the State, its officers, employees, agents, and all private and governmental contractors and subcontractors with the State under Chapter 84 Wisconsin Statutes harmless, as allowed by Wisconsin law, from actions of any nature whatsoever (including any by Applicant itself) which arise out of, or are connected with, or are claimed to arise out of or be connected with any of the work done by the Applicant, or the construction or maintenance of facilities by the Applicant, pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way, (1) while the Applicant is performing its work, or (2) while any of the Applicant's property, equipment, or personnel, are in or about such place or the vicinity thereof, or (3) while any property constructed, placed or operated by or on behalf of Applicant remains on the State's property or right-of-way pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way; including without limiting the generality of the foregoing, all liability, damages, loss expense, claims, demands and actions on account of personal injury, death or property loss to the State, its officers, employees, agents, contractors, subcontractors or frequenters; to the Applicant, its employees, agents, contractors, subcontractors, or frequenters; or to any other persons, whether based upon, or claimed to be based upon, statutory (including, without limiting the generality of the foregoing, worker's compensation), contractual, tort, or whether or not caused or claimed to have been caused by active or inactive negligence or other breach of duty by the State, its officers, employees, agents, contractors, subcontractors or frequenters; Applicant, its employees, agents, contractors, subcontractors or frequenters; or any other person.

Without limiting the generality of the foregoing, the liability, damage, loss, expense, claims, demands and actions indemnified against shall include all liability, damage, loss, expense, claims, demands and actions for damage to any property, lines or facilities placed by or on behalf of the Applicant pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way in the past or present, or that are located on any highway or State property or right-of-way with or without a permit issued by the State, for any loss of data, information, or material; for trademark, copyright or patent infringement; for unfair competition or infringement of personal or property rights of any kind whatever. The Applicant shall at its own expense investigate all such claims and demands, attend to their settlement or other disposition, defend all actions based thereon and pay all charges of attorneys and all other costs and expenses of any kind arising from any such liability, damage, loss, claims, demands and actions.

Any transfer, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit shall not release Applicant from any of the indemnification requirements of this permit, unless the State is notified of such transfer in writing. Any acceptance by any other person or entity, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit, shall include acceptance of all of the indemnification requirements of this permit by the other person or entity receiving ownership or control.

**SUPPLEMENTAL PERMIT PROVISIONS**
**Richland County Sheriff's Office**
**Automated License Plate Reader Cameras**
**Permit #001443 – Issued 4/10/23**
**WIS 80 & US 14**
**Town of Sylvan & Eagle**
**Richland County**

**PROJECT DESCRIPTION.** The Richland County Sheriff's Office (RCSO) is installing two automated license plate reader (ALPR) cameras within state highway right of way as an aid in preventing and solving crimes. The use of the cameras is considered a communications-type utility and is allowed under WisDOT's Utility Accommodation Policy HMM 09-15-65, 4.1.

1. **LEGAL USE.** Surveillance cameras shall only be used as allowed by Wisconsin statutes. For example, the use of cameras is currently *prohibited* to enforce red light running at traffic signals.

2. **REVOCATION BY WisDOT.** WisDOT may revoke this permit if its own use or sale of the right-of-way (ROW) would be facilitated by relocation of RCSO's facility and shall provide RCSO with written notice a minimum of one year prior to such revocation. During this period, WisDOT shall work with RCSO to find a suitable replacement area on ROW near the terminated location. WisDOT shall not compensate RCSO to move its facility within the ROW in keeping with WisDOT's policy on compensable and non-compensable utility facility moves. If it is necessary to maintain uninterrupted service, RCSO shall be allowed to temporarily locate in WisDOT ROW at a mutually acceptable location for up to 180 days during the relocation of its facilities to the permanent site.

3. **PERMIT TERM.** This permit is valid for as long as RCSO continues to own, operate and maintain its facilities within WisDOT ROW in accordance with the terms of its permit and WisDOT's Utility Accommodation Policy.

4. **TERMINATION BY PERMITTEE.** RCSO may terminate this permit upon 30 days written notice to WisDOT. Upon such termination, RCSO shall remove its facility from the ROW unless WisDOT notifies RCSO that WisDOT will take over operation and maintenance of the facility for its own traffic operations.

5. **WORK RESTRICTIONS.** RCSO is authorized to work weekdays between sunrise and sunset. Weekend work may be allowed upon prior approval from WisDOT. No work shall be done, and all work zone traffic control shall be removed, when the pavement is covered with ice or snow, or during winter maintenance pavement brining applications, salt spreading, or plowing operations.

6. **WORK ZONE TRAFFIC CONTROL (WZTC).** All WZTC shall be in accordance with the Wisconsin Manual on Uniform Traffic Control Devices or the Work Zone Field Manual. All materials and equipment shall remain off the roadway. Traffic Control shall not encroach on the travel lane.

7. **LANE CLOSURE SYSTEM NOTIFICATION.** To satisfy LCS requirements for WisDOT's 511 System, RCSO shall notify WisDOT a minimum of ***seven calendar days*** prior to ***any lane or shoulder closure***. RCSO may use the LCS Notification Worksheet if needed and submit it to WisDOT's Joe Schneider (608) 789-5959 for review. WisDOT may revise the information, but RCSO shall enter it into LCS unless notified by WisDOT that it will perform the entries. For **emergency** situations when any type of shoulder, lane, or road closure is required, RCSO shall call WisDOT's Traffic Management Center at 800-375-7302.

**TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION TO WISDOT**

| Closure type **with** height, weight, or width restrictions (available width, all lanes in one direction **< 16'**) | MINIMUM NOTIFICATION |
|---|---|
| Lane and shoulder closures | 7 calendar days |
| Full roadway closures | 7 calendar days |
| Ramp closures | 7 calendar days |
| Detours | 7 calendar days |
| Closure type **without** height, weight, or width restrictions (available width, all lanes in one direction **≥16'**) | MINIMUM NOTIFICATION |
| Lane and shoulder closures | 3 business days |
| Ramp closures | 3 business days |
| Modifying all closure types | 3 business days |

8. **WORK AREA PROTECTION DURING NON-WORK TIMES.** RCSO shall store its equipment and materials off the ROW during non-work times if possible. If necessary, RCSO may store its equipment and materials on the ROW provided they are placed as close to the ROW line as possible and outside the clear zone. RCSO shall ensure that any excavation left open during non-work times is well marked and secured from public intrusion.

9. **ROW RESTORATION.** RCSO shall restore any WisDOT ROW disturbed to its original (as best as practical) condition within **two weeks** after installing its facilities. WisDOT may allow time extensions for restoration in the case of inclement weather, poor soil conditions, or if RCSO's operations would track over the same disturbed areas – provided that proper erosion control devices are in place to protect the disturbed areas.

   Should future maintenance work on RCSO's facilities result in the disturbance of the existing ROW, RCSO shall restore the ROW to its original condition as soon as possible. The basic drainage pattern of the highway shall remain undisturbed by the permitted work. Upon project completion, all spoils, debris, refuse, and waste resulting from the permitted work shall be removed from the work site. Send pictures of completed installations to DOT CO ROW Permits.

10. **CONSTRUCTION NOTIFICATIONS.** RCSO shall contact the Southwest Region utility permit coordinator, Noah Dufoe-Guiles (608) 246-5629 or swutilitypermits@dot.wi.gov at least three working days prior to the start of construction.

    RCSO shall call Diggers' Hotline 800-242-8511 at least three working days prior to the start of any excavation.

    RCSO shall provide WisDOT with the names and telephone numbers of the people in charge of its field operations. This includes people who are responsible for the overall project or separate crews and includes any contractors hired by RCSO. Field personnel shall have cellular phones that would enable a WisDOT representative to contact them at any time.

11. **LONGITUDINAL & VERTICAL LOCATION**. RCSO shall place its facilities as shown on the approved permit drawings. Deviations from this location may be allowed but shall first be approved by WisDOT. Revised plan sheets showing the approved deviations should be sent to WisDOT after completion. Proposed pole locations shall be a minimum of 10 ft from existing poles and signs.

12. **EROSION CONTROL.** A formal erosion control plan is not required if RCSO can perform construction in accordance with HMM 09-15-55 and Trans 401. However, if any excavation remains open for more than 24 hours, then a formal erosion control plan shall be submitted to WisDOT and this provision revised accordingly. In either case, RCSO shall use the appropriate erosion control best management practices (BMPs) to contain soil directly at the site to prevent disturbed soil from getting into nearby waterways and wetlands. Storm sewer and pipe underdrain inlets shall be protected with filter fabric if necessary.

    All appropriate erosion control BMPs shall be in place **prior to starting construction activities**. Temporary seeding shall be used as necessary after rough grading and before project completion. RCSO shall ensure that erosion control measures used to protect restored areas remain in place until replacement vegetation achieves sustained growth. Rutting due to vehicle or equipment tracks shall be smoothed out at the end of each day. RCSO shall take every precaution necessary to prevent mud, dirt, or other debris from being deposited onto a travel lane or shoulder. Any materials deposited on the pavement shall be promptly removed.

13. **PERMIT AT SITE.** During the performance of work described in this permit, RCSO and/or its contractor(s) or subcontractor(s) shall have a fully signed and executed copy of the permit on site, **which may in electronic format**. Failure to do so may cause a temporary shutdown of the work. Repeated offenses may cause this permit to become null and void and if so, the work shall not be completed unless authorized through a subsequent permit.

14. **WisDOT MAINTENANCE COORDINATION.** RCSO shall contact Dave Benish, WisDOT Maintenance Coordinator, (608) 860-0264 or david.benish@dot.wi.gov if there are any highway maintenance, operation, or related issues.

## Lane Closure System (LCS) Notification Worksheet

(Permittee will enter the data into the LCS)

**General Section:**

1. Permit Number
2. General Description (brief description of the type of work)
3. County (Begin/End if different)
   Richland
4. Highway/Direction
5. Primary Contact (WisDOT Regional Permit Coordinator)
6. Emergency Traffic Control Contractor Contact (name/number: 24-hour contact)
7. Secondary Contact (other WisDOT contact names if applicable)
8. Law Enforcement Contact (if applicable)
9. Other Contact (such as contractor or utility name/number)

**Each Facility:**

1. Type (mainline, ramp, bridge, system interchange)
2. Closure/Restriction (lanes/shoulders affected)
3. Duration (daily/nightly, weekly, continuous, long term)
4. Begin/End Date
5. Begin/End Time
6. Begin/End Location
7. Oversize/Overweight Restrictions (height, width, weight restrictions if applicable)
8. Detour Route (if applicable)

# Flock Safety Tech Specs

## License plate reading cameras that capture more evidence for your city.

## Dual Solar Panels

- Voltage: 18-20V
- Weight: 25.73 lbs (with hardware)
- Length: 21.25″
- Width: 28″
- Mount: Pole top or side of existing pole

## Pole

- DOT breakaway pole - 12′ installed height
- Diameter: 2.875″ OD, 2.125″ ID
- Material: 6061 Aluminum w/ black coating
- Alloy: 6061
- Weight: 32 lbs

## Camera

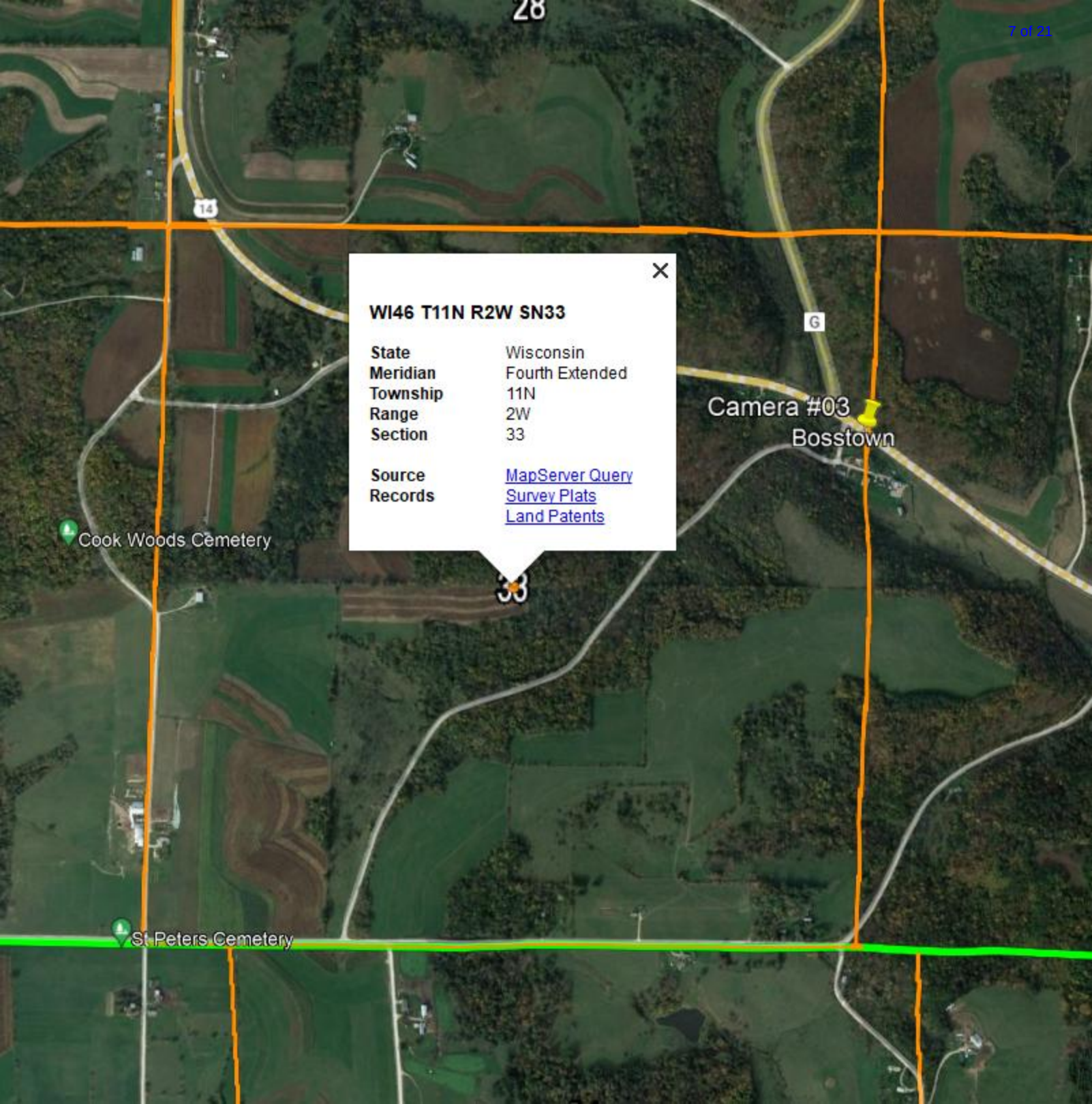
- Length: 10.5″
- Height: 4.5″
- Depth: 5.5″
- Mounting: Adjustable band clamps
- Weight: 3.6 lbs
- Footage: Uploads via LTE
- Capture Distance: 20-90ft from vehicle
- Deployment Distance: Up to 25′ from edge of roadway
- Resolution: 2508x2048
- Vehicle Speed: up to 100 MPH
- Assembly: Flock Safety in Atlanta, GA

## Install Anywhere

Solar &
Existing Pole

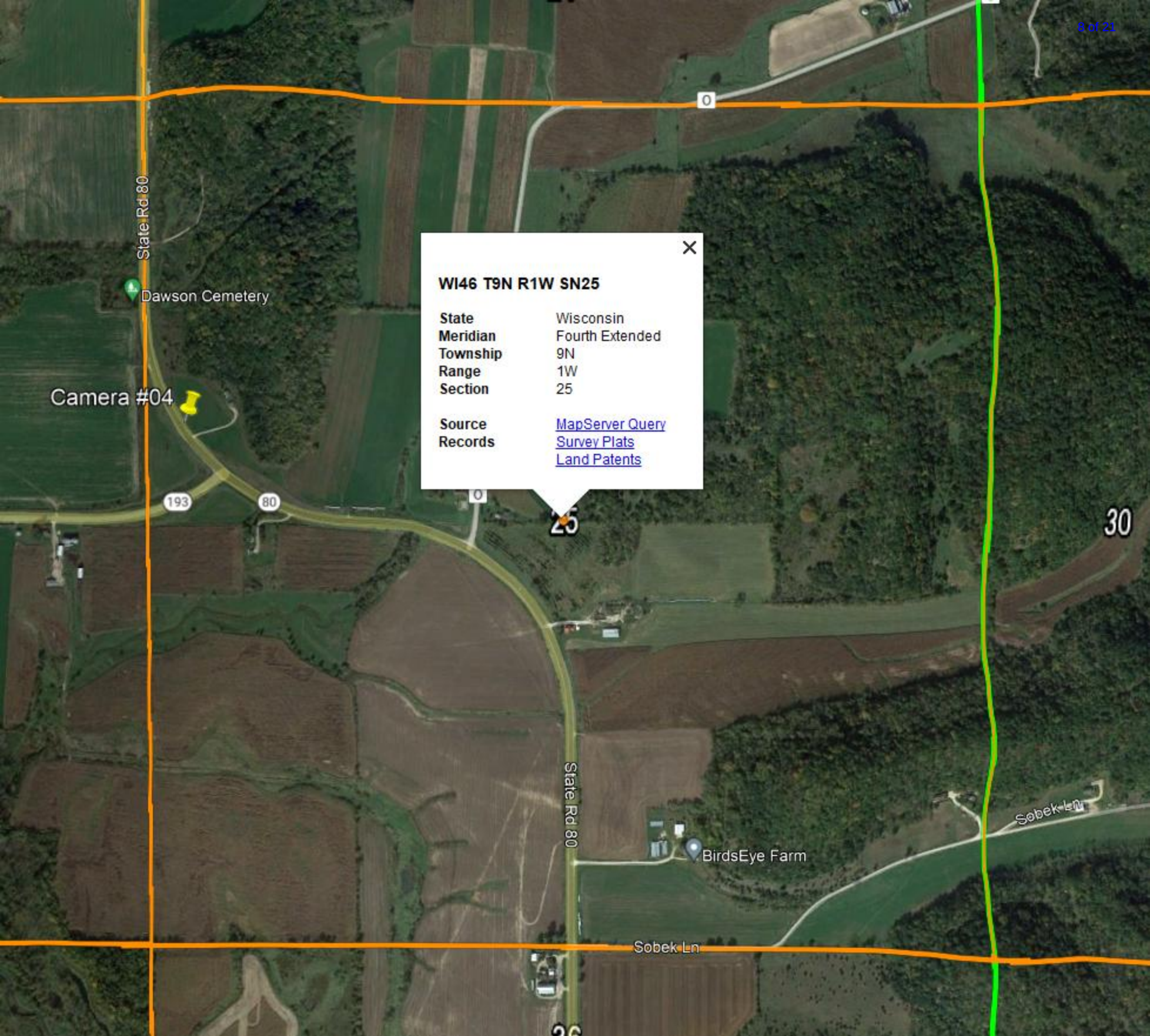
Solar &
Flock Pole

Electric &
Existing Pole




**WI46 T11N R2W SN33**

| | |
|---|---|
| **State** | Wisconsin |
| **Meridian** | Fourth Extended |
| **Township** | 11N |
| **Range** | 2W |
| **Section** | 33 |
| **Source** | MapServer Query |
| **Records** | Survey Plats |
| | Land Patents |




**WI46 T9N R1W SN25**

| | |
|---|---|
| **State** | Wisconsin |
| **Meridian** | Fourth Extended |
| **Township** | 9N |
| **Range** | 1W |
| **Section** | 25 |
| **Source** | MapServer Query |
| **Records** | Survey Plats |
| | Land Patents |

flock safety™

# RICHLAND COUNTY SHERIFF'S OFFICE LICENSE PLATE READER INSTALLATION

**JURISDICTION:**

**WISCONSIN DEPARTMENT OF TRANSPORTATION**

## SITE IDENTIFICATION

**RICHLAND COUNTY**
**SHERIFF'S OFFICE**
**181 W SEMINARY ST,**
**RICHLAND CENTER, WI 53581**
**(608) 647-8906**

flock safety

**FLOCK SAFETY**
**1170 HOWELL MILL ROAD NW**
**SUITE 210**
**ATLANTA, GA 30318**
**PERMIT@FLOCKSAFETY.COM**
**415-669-0341**

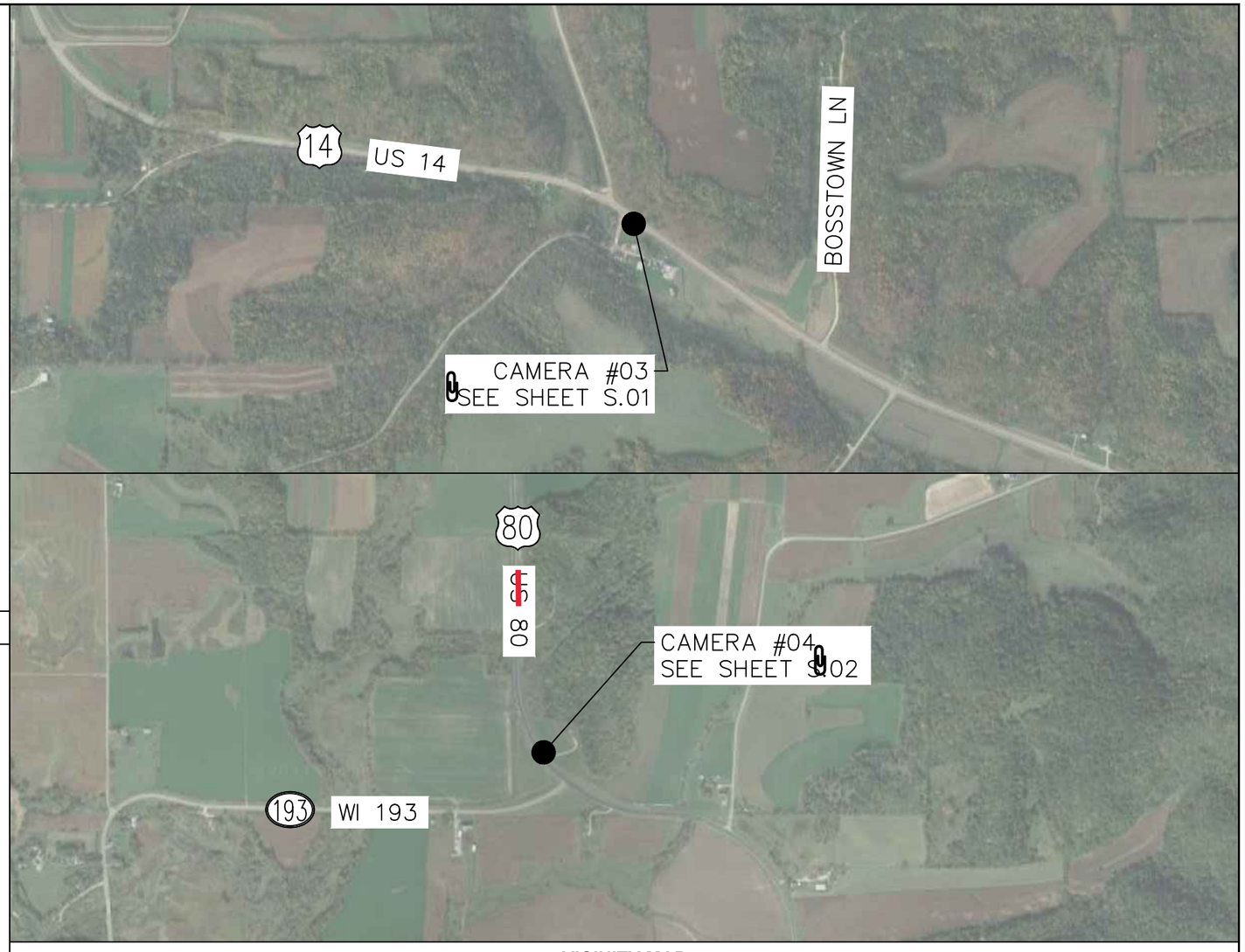
Kimley»Horn

**KIMLEY-HORN AND ASSOCIATES, INC.**
**817 W PEACHTREE STREET, SUITE 601**
**ATLANTA, GA 30308 PHONE: (312) 401-6614**
**ATTN.: TRACY LEHMAN, P.E.**

## PROJECT TEAM

**INSTALLATION OF NEW POLE IN EXISTING RIGHT OF WAY SUPPORTING LICENSE PLATE READER CAMERA FOR THE RICHLAND COUNTY SHERIFF'S DEPARTMENT.**

## PROJECT SUMMARY




## VICINITY MAP

| SHEET # | SHEET TITLE | DRAWN BY |
|---|---|---|
| T.01 | TITLE SHEET | RCG |
| T.02 | SYMBOLOGY AND ABBREVIATIONS | RCG |
| S.01–S.02 | SITE PLANS | RCG |
| D.01–D.04 | EQUIPMENT AND FOUNDATION DETAILS | RCG |
| TC.01–TC.02 | TRAFFIC CONTROL PLANS | RCG |
| | | |
| | | |
| | | |
| | | |
| | | |

## SHEET INDEX

811 Know what's below. Call before you dig.

flock safety™

PROJECT INFORMATION:

RICHLAND COUNTY
SHERIFF'S OFFICE
LICENSE PLATE READER
INSTALLATION

PLANS PREPARED BY:

Kimley»Horn

817 WEST PEACHTREE STREET,
NW, SUITE 601,
ATLANTA, GA 30308
PHONE: (404) 419-8700
WWW.KIMLEY-HORN.COM

REV: | DATE: | ISSUED FOR: | BY:

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| 0 | 03/13/23 | PERMITTING | MRD |

LICENSER:

WISCONSIN
MICHAEL R DOOLITTLE
E-46398
CARY
NC
PROFESSIONAL ENGINEER
03/24/2023

KHA PROJECT NUMBER:

014681002.1.100

| DRAWN BY: | CHECKED BY: |
|---|---|
| RCG | TI |

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T.01

K:\RAL_Wireless\Flock\WI\257036(Richland County)\1 - KHATL - XXXX - FLOCK - CDs\CASE#257036_FLOCK_CD.dwg ---- 03/13/23 8:55 AM by: Robert.Giesen

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GENERAL NOTES:

1. ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND FLOCK SAFETY PROJECT SPECIFICATIONS.

2. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

3. THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR ARE TO BE RESPONSIBLE FOR VERIFYING EXISTING SITE CONDITIONS, DIMENSIONS, AND THE LOCATION OF BURIED UTILITIES AT THE JOB SITE PRIOR TO THE COMMENCEMENT OF WORK. NO CLAIMS FOR EXTRA COMPENSATION FOR WORK RESULTING FROM CONFLICTS AND OMISSIONS WHICH COULD HAVE BEEN DISCOVERED BY FIELD VERIFICATION AND INSPECTION, WHETHER INDICATED IN THE CONTRACT DOCUMENTS OR NOT WILL BE ENTERTAINED OR PAID.

4. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.

5. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.

6. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

7. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.

8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.

9. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFIRM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.

10. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.

11. FLOCK SAFETY AND CONTRACTOR ARE SOLELY RESPONSIBLE FOR DETERMINATION AND CONFIRMATION THAT THE PROPOSED POLE LOCATION IS WITHIN THE PUBLIC RIGHT OF WAY. SITE PLAN AND ALL REPRESENTATION OF RIGHT OF WAY PROPERTY LINES ARE APPROXIMATE BY NATURE AND HAVE BEEN PRODUCED WITHOUT THE BENEFIT OF A PROFESSIONAL LAND SURVEY.

TRAFFIC CONTROL NOTES:

1. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH APPLICABLE LAYOUTS FROM THE MOST RECENT VERSION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION (WISDOT) WISCONSIN WORK ZONE FIELD MANUAL (HTTPS://WISCONSINDOT.GOV/DTSDMANUALS/TRAFFIC-OPS/MANUALS-AND-STANDARDS/WZFM/WZFM.PDF) AND IN ACCORDANCE WITH THE WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD).

2. CONTRACTOR SHALL MEET THE TRAFFIC CONTROL DEVICE QUALITY STANDARDS AS REQUIRED IN THE FIELD MANUAL AND SHALL IMMEDIATELY REPLACE UNACCEPTABLE TRAFFIC CONTROL DEVICES. SIGNS THAT ARE DIRTY AND RESULT IN A NOTICEABLE LOSS OF REFLECTIVITY AT NIGHT ARE CONSIDERED UNACCEPTABLE AND MUST BE CLEANED OR REPLACED.

3. CONTRACTOR SHALL RESPOND PROMPTLY TO ANY CALL FROM THE ENGINEER CONCERNING THE NOTIFICATION OF UNACCEPTABLE TRAFFIC CONTROL DEVICES.

4. LAYOUTS FROM THE WISCONSIN WORK ZONE FIELD MANUAL ANTICIPATED TO BE UTILIZED, BUT MAY NOT BE FULLY INCLUSIVE OF ALL APPLICABLE LAYOUTS, INCLUDE LAYOUT 6, 15, 38, 52, 53 AND 71.

# LEGEND

| | |
|---|---|
| | EXISTING EASEMENT |
| | CONSTRUCTION FENCE |
| | EDGE OF PAVEMENT |
| ROW ROW ROW | RIGHT OF WAY |
| W | EXISTING WATER LINE |
| F | EXISTING FIRE WATER LINE |
| IRR | EXISTING IRRIGATION WATER LINE |
| S | EXISTING SANITARY SEWER LINE |
| SD | EXISTING STORM DRAIN LINE |
| UGE | EXISTING UNDERGROUND ELECTRIC LINE |
| G | EXISTING GAS LINE |
| T T T | EXISTING TELECOMMUNICATIONS LINE |
| UNK | EXISTING UNKNOWN UTILITY LINE |
| | WATER VALVE |
| | FIRE HYDRANT |
| | IRRIGATION VALVE |
| S Sa WW | SEWER MANHOLE |
| | SEWER CLEAN OUT |
| SW St D | STORM DRAIN MANHOLE |
| | GRATED INLET |
| | CATCH BASIN |
| | LIGHT POST |
| E | ELECTRIC PULLBOX / E BOX |
| E E VLT E | UTILITY VAULT |
| GV | GAS VALVE |
| | TREE |
| | SIGN |
| | BOLLARD |
| | DECORATIVE CONCRETE BALL |
| | HANDICAP PARKING |
| | GREASE TRAP |
| T C | COMMUNICATION VAULTS |
| | SURVEY CONTROL POINTS |
| MANHOLE ELECTRIC MH WATER | MISCELLANEOUS MANHOLES |
| E UNKNOWN W | |
| 8 | LICENSE PLATE READER CAMERA |

flock safety

PROJECT INFORMATION:

RICHLAND COUNTY
SHERIFF'S OFFICE
LICENSE PLATE READER
INSTALLATION

PLANS PREPARED BY:

Kimley»Horn
817 WEST PEACHTREE STREET, NW, SUITE 601,
ATLANTA, GA 30308
PHONE: (404) 419-8700
WWW.KIMLEY-HORN.COM

REV: DATE: ISSUED FOR: BY:

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LICENSER:

WISCONSIN
MICHAEL R DOOLITTLE
E-46398
CARY, NC
PROFESSIONAL ENGINEER
03/24/2023

KHA PROJECT NUMBER:
014681002.1.100

DRAWN BY: RCG CHECKED BY: TI

SHEET TITLE:
SYMBOLOGY AND ABBREVIATIONS

SHEET NUMBER:
T.02

K:\RAL_Wireless\Flock\WI\257036(Richland County)\1 - KHATL - XXXX - FLOCK - CDs\CASE#257036_FLOCK CD.dwg ---- 03/13/23 8:55 AM by: Robert.Giesen

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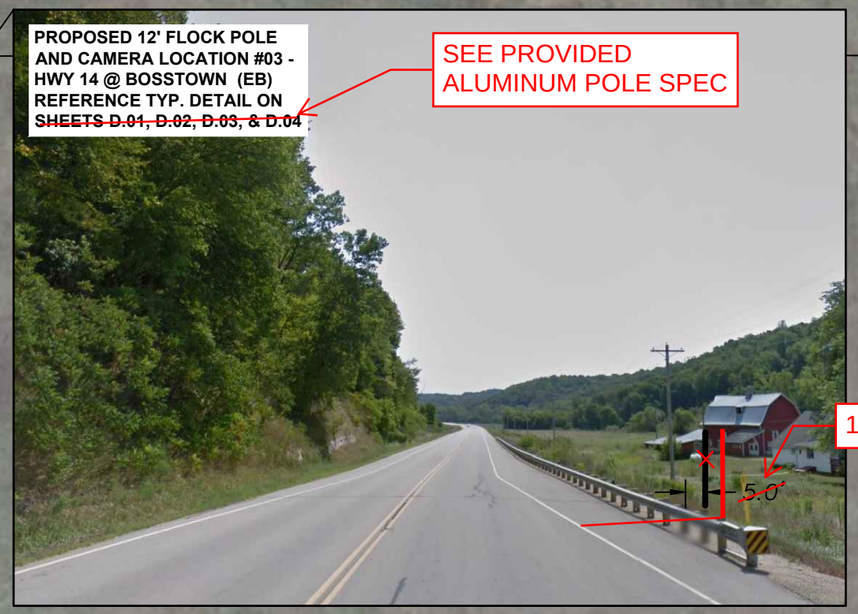
# CAMERA DETAILS

| CAMERA | NUMBER & LOCATION | COORDINATES (N,W) |
|---|---|---|
| 03 | #03 - HWY 14 @ BOSSTOWN (EB) | 43.38981724209356, -90.60828589503151 |
| 04 | #04 - HWY 80 @ HWY 193 (NB) | 43.22853419613797, -90.44843493847003 |




POLE SHALL NOT BE INSTALLED BEHIND THE END TREATMENT. INSTALL APPROXIMATELY 75' FROM THE END OF BEAMGUARD

12.0'

5.0'

03

24.7'

US 14

## CAMERA #03

| | |
|---|---|
| SPEED LIMIT | 55 MPH |
| ADT | 2,000 VPD |
| FORESLOPE | 5:1 |
| CLEAR ZONE | 5' (GUARDRAIL) |

**NOTES:**

- **ALL DIMENSIONS TO BE TAKEN FROM FACE OF POLE BASE.**
- **LPR POLE ASSEMBLY SHALL BE A MINIMUM OF 10-FT AWAY FROM EXISTING SIGNS AND POLES.**

GRAPHIC SCALE IN FEET
0 25 50 100

NORTH

flock safety

PROJECT INFORMATION:

RICHLAND COUNTY
SHERIFF'S OFFICE
LICENSE PLATE READER
INSTALLATION

PLANS PREPARED BY:


Kimley»Horn
817 WEST PEACHTREE STREET, NW, SUITE 601, ATLANTA, GA 30308
PHONE: (404) 419-8700
WWW.KIMLEY-HORN.COM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| 0 | 03/13/23 | PERMITTING | MRD |

LICENSER:

WISCONSIN
MICHAEL R DOOLITTLE
E-46398
CARY NC
PROFESSIONAL ENGINEER
03/24/2023

KHA PROJECT NUMBER:
014681002.1.100

| DRAWN BY: | CHECKED BY: |
|---|---|
| RCG | TI |

SHEET TITLE:
**SITE PLAN**

SHEET NUMBER:
S.01

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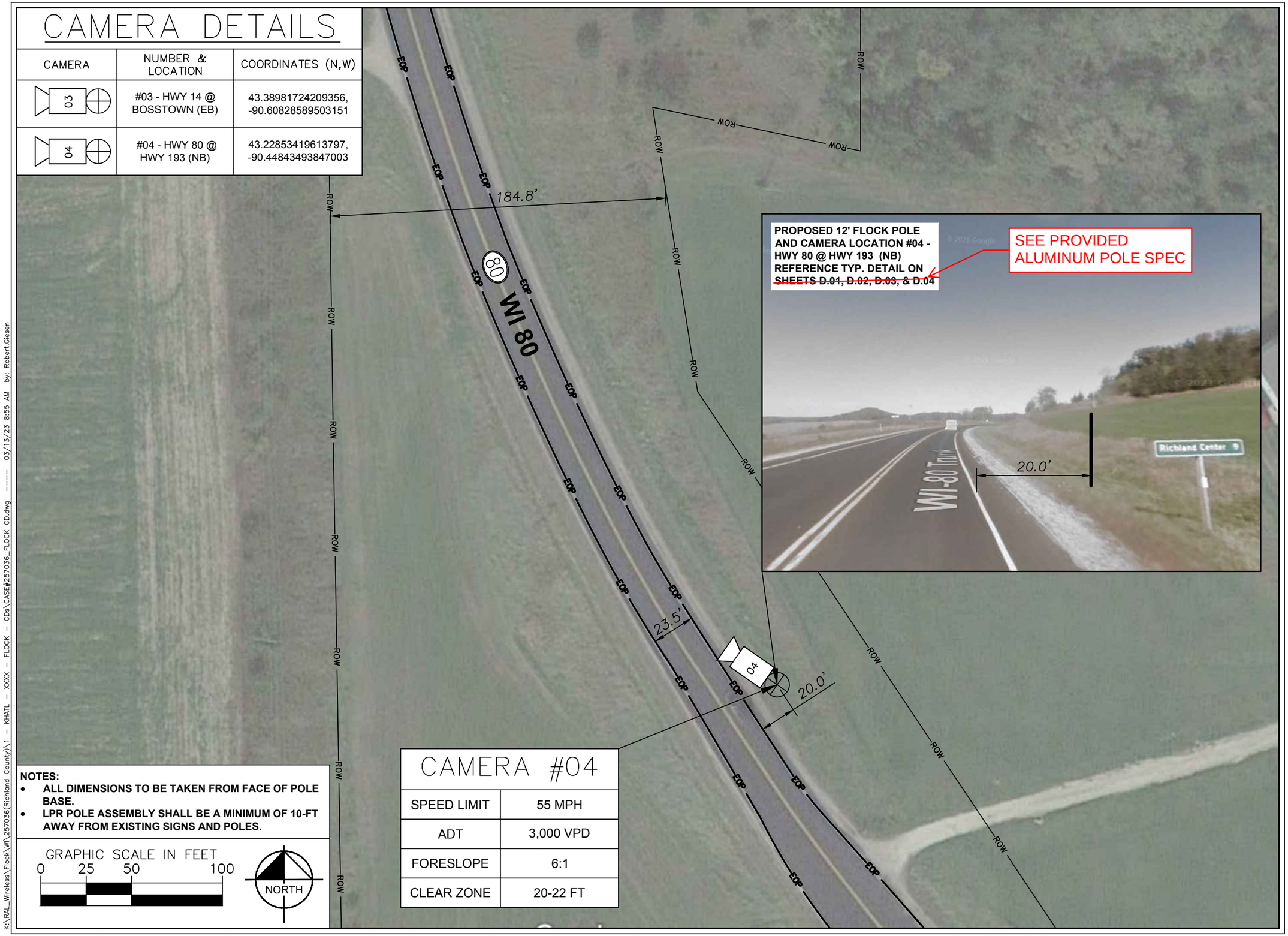
# CAMERA DETAILS

| CAMERA | NUMBER & LOCATION | COORDINATES (N,W) |
|---|---|---|
| 03 | #03 - HWY 14 @ BOSSTOWN (EB) | 43.38981724209356, -90.60828589503151 |
| 04 | #04 - HWY 80 @ HWY 193 (NB) | 43.22853419613797, -90.44843493847003 |




## CAMERA #04

| | |
|---|---|
| SPEED LIMIT | 55 MPH |
| ADT | 3,000 VPD |
| FORESLOPE | 6:1 |
| CLEAR ZONE | 20-22 FT |

**NOTES:**

- **ALL DIMENSIONS TO BE TAKEN FROM FACE OF POLE BASE.**
- **LPR POLE ASSEMBLY SHALL BE A MINIMUM OF 10-FT AWAY FROM EXISTING SIGNS AND POLES.**

GRAPHIC SCALE IN FEET
0 25 50 100

NORTH

K:\RAL_Wireless\Flock\WI\257036(Richland County)\1 - KHATL - XXXX - FLOCK - CDs\CASE#257036_FLOCK CD.dwg ---- 03/13/23 8:55 AM by: Robert.Giesen

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flock safety

PROJECT INFORMATION:

RICHLAND COUNTY
SHERIFF'S OFFICE
LICENSE PLATE READER
INSTALLATION

PLANS PREPARED BY:

Kimley»Horn
817 WEST PEACHTREE STREET, NW, SUITE 601,
ATLANTA, GA 30308
PHONE: (404) 419-8700
WWW.KIMLEY-HORN.COM

REV: DATE: ISSUED FOR: BY:

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LICENSER:

WISCONSIN
MICHAEL R DOOLITTLE
E-46398
CARY, NC
PROFESSIONAL ENGINEER
03/24/2023

KHA PROJECT NUMBER:
014681002.1.100

DRAWN BY: RCG CHECKED BY: TI

SHEET TITLE:
**SITE PLAN**

SHEET NUMBER:
S.02

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PROJECT INFORMATION:

RICHLAND COUNTY
SHERIFF'S OFFICE
LICENCE PLATE READER
TRAFFIC CONTROL PLANS

PLANS PREPARED BY:

Kimley»Horn
817 WEST PEACHTREE STREET,
NW, SUITE 601,
ATLANTA, GA 30308
PHONE: (404) 419-8700
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LICENSER

WISCONSIN
MICHAEL R DOOLITTLE
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CARY, NC
PROFESSIONAL ENGINEER
03/24/2023

KHA PROJECT NUMBER

014681002.1.100

DRAWN BY: CHECKED BY:

| WRB | MRD |
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SHEET TITLE:

TRAFFIC CONTROL PLAN

SHEET NUMBER:

TC.01

TCP DESIGNED PER WISDOT FIELD MANUAL LAYOUT 6

CHANNELIZING DEVICES SHALL NOT ENCHROACH THE TRAVEL LANE

MINIMUM 12 FT LANE WIDTH

CAMERA SITE #04

flock safety

PROJECT INFORMATION:

RICHLAND COUNTY
SHERIFF'S OFFICE
LICENCE PLATE READER
TRAFFIC CONTROL PLANS

PLANS PREPARED BY:

Kimley»Horn
817 WEST PEACHTREE STREET, NW, SUITE 601,
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LICENSER

WISCONSIN
MICHAEL R DOOLITTLE
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CARY, NC
PROFESSIONAL ENGINEER
03/24/2023

KHA PROJECT NUMBER

014681002.1.100

| DRAWN BY: | CHECKED BY: |
|---|---|
| WRB | MRD |

SHEET TITLE:

TRAFFIC CONTROL PLAN

SHEET NUMBER:

TC.02

## Attachment 1 - Environmental Checklist

Note: To print the Checklist, click on the icon and set *Pages to Print* to "⊙ Pages 3-5"

**Include this Checklist and any supplemental documentation with form dt1553, *Application/Permit to Construct, Operate and Maintain Utility Facilities on Highway Right-of-Way.* The application will be returned if the Checklist is not included or is incomplete.**

Answer the following questions related to the proposed utility project to show environmental compliance or coordination with various agencies/Tribes. WisDOT's permit approval does not relieve a utility from compliance with all applicable federal, state, local and tribal laws, codes, regulations, and ordinances and shall not be construed as superseding any other governmental agency's more restrictive requirements. Keep all supporting documents on file with WisDOT's permit for its duration and provide upon request.

*Remember: Supporting documentation may be required to prove environmental coordination with a regulatory agency on the Checklist. If an agency does not require documentation, a utility is not required to submit it to WisDOT. However, supply documentation if it may be helpful in WisDOT's review of the Checklist, e.g., permits, approvals, certifications, checklists, correspondence, website screenshots/PDFs, mapping, etc. Checkboxes that only have yes, no, or not applicable answers are automatically set to no or not applicable.*

### 1. *Aquatic Resource Impacts*

Use the Wisconsin Wetland Inventory maps and the DNR Surface Water Data Viewer (SWDV) to identify waterways, surface waters and potential wetlands. These tools are not comprehensive, and field surveys may be required to identify aquatic resources within the footprint of a proposed project. Consult with Department of Natural Resources and U.S. Army Corps of Engineers as needed.

Does the proposed project have the potential to impact any aquatic resources (wetlands, waterways, etc.)?

☒ No – Skip to question 2 ☐ Yes – Continue below

***State Wetland/Waterway Permit***

Does the proposed project meet all necessary terms, conditions, and eligibility criteria to receive non-reporting coverage under the DNR utility general permit (DNR-GP3-2018) for wetland/waterway impacts?

☐ Yes – Project meets all requirements for DNR *non-reporting* utility general permit coverage

☐ No – Project received *reporting* utility general permit coverage or individual wetland/waterway permit
https://dnr.wisconsin.gov/topic/Sectors/UtilityPermitting.html

☒ Not applicable – Project is exempt from all wetland/waterway permitting requirements
Wetlands: https://dnr.wisconsin.gov/topic/Waterways/Permits/Exemptions.html
Waterways: https://dnr.wisconsin.gov/topic/Wetlands/permits/exemptions.html

☐ Not applicable – Project occurs wholly within boundaries of a Native American Nation or Tribal reservation and DNR does not have jurisdiction. See question 6.

***Federal Wetland/Waterway Permit***

Does the proposed project meet all necessary terms, conditions, and eligibility criteria to receive no-preconstruction notification (PCN) coverage under the USACE utility or other regional general permit (RGP) or a nationwide permit (NWP) for wetland/waterway impacts?
https://www.mvp.usace.army.mil/Missions/Regulatory/Permitting-Process-Procedures/

☐ Yes – Project meets all requirements for no-PCN coverage under a USACE RGP or NWP

☐ No – Project covered under USACE's RGP or NWP coverage obtained through submittal of a preconstruction notification or other Section 404 permit coverage.

☒ Not applicable – Project does not impact waters of the Unites States.

### 2. *Protected Species*

Projects with the potential to affect protected species must be covered under the DNR Broad Incidental Take Permit/Authorization for No/Low Impact Activities or undergo an endangered resources preliminary assessment or review. A preliminary assessment may be completed through the DNR Natural Heritage Inventory (NHI Public Portal). An endangered resources review may be conducted by a DNR certified endangered resources reviewer.

All components of the proposed project covered under this permit:

☒ Are covered by the DNR Broad Incidental Take Permit/Authorization for No/Low Impact Activities.

☐ Received one of the following results from the NHI Public Portal preliminary assessment or endangered species review. WisDOT encourages implementing DNR recommended actions.

- o No further actions are needed
- o Further actions are recommended
- o Further actions are strongly recommended

☐ Are implementing all required actions from the DNR endangered resources review. WisDOT also encourages implementation of DNR recommended actions.

☐ Are covered by an DNR Incidental Take Permit and/or USFWS coordination under the Endangered Species Act.

### 3. *Construction Site Stormwater Permits*

Projects that involve one acre or more of land disturbance require a utility to submit a Notice of Intent (NOI) erosion control permit under Wis. Adm. Code NR 216.

Does the proposed project affect one acre or more of land disturbance?

☒ No – Meets criterion ☐ Yes – Coordination completed

### 4. *Erosion Control Plan & Stormwater Management Plans*

Does the proposed project meet the Trans 401 "Major" category?

☒ No – Meets criterion for minor project ☐ Yes – Attach formal erosion control plan

*For minor projects, immediately replace disturbed soil and topsoil and/or temporary seed and mulch the soil, which includes repairing equipment and vehicle tracks. Have erosion control devices (hay or straw bales, wattles, silt fence, erosion mat, etc.) at the site or immediately accessible in case weather conditions cause immediate action to protect bare or loose soil. Cover soil piles left overnight with plastic or protect with silt fence or other approved perimeter control devices on the downslope side to prevent possible runoff.*

Does the proposed project require a Stormwater Management Plan?

☒ No – Meets criterion ☐ Yes – Coordination completed

For more information: DNR Erosion Control and Stormwater Management Plans

### 5. *Wisconsin Historic Preservation Database*

Are any historic resources located within the proposed project limits?

☒ No – Meets criterion ☐ Yes – Coordination completed

Contact: State Historic Preservation Office or go to: Wisconsin Historic Preservation Database

### 6. *Tribal Government Coordination*

Is any part of the work located within the reservation boundaries of a Native American Nation or Tribal reservation? Any utilities placed within a Native American Nation or Tribal reservation require Bureau of Indian Affairs (BIA)/Tribal approval prior to placing their facilities in WisDOT ROW.

☒ No – Meets criterion ☐ Yes – Coordination completed

Tribal Government Contacts: http://witribes.wi.gov/

***Note: A utility must obtain a Tribal permit and BIA approval of a NEPA document to proceed with utility work on a STH within a Tribal Reservation. WisDOT's utility permit does not grant automatic approval.***

### 7. *Open or Closed Contaminated Sites, DNR Water Supply Permit, Underground Storage Tanks (USTs), Leaking Underground Storage Tanks (LUSTs)*

Does the proposed project affect any of these items?

| Decision \ Item | Contaminated sites | DNR water supply permit | USTs | LUSTs |
|---|---|---|---|---|
| No – Meets criterion | ☒ | ☒ | ☒ | ☒ |
| Yes – Coordination completed | ☐ | ☐ | ☐ | ☐ |

DNR: Wisconsin Remediation and Redevelopment Database (WRRD) and Remediation & Redevelopment (RR) Program staff contacts

DATCP: MyDATCP: Storage Tank Search
Region Environmental Coordinators and Regionwide SWECE and Mega/Major project coordinators

### 8. *Asbestos*

Does the project include replacement of asbestos wrapped utility conduit or Transite piping?

☒ No – Meets criterion ☐ Yes – Document who will complete required notification to the DNR or DHS, the abatement methods, and the disposal location.

### 9. *Project Comments*

Provide any additional comments or extenuating circumstances that may assist in the review of the project's environmental coordination. List all utility work request, project plan set, or other identification numbers or references included in the environmental coordination and permitting of the project.

---

**Certification Statement:** Upon executing the signature below, the signatory certifies that the Checklist is complete, all information is accurate and true, and all required environmental compliance/coordination is complete and on file with the utility.

**Disclaimer:** Any change in project scope requires this Checklist to be resubmitted and certified to reflect the most updated set of project details.

Signature: Heather Thayer Date: 3/30/23

Name & Title (print): Heather Thayer, Project Manager

Company: Kimley-Horn & Associates

Email: heather.thayer@kimley-horn.com

Flock safety™

# STATE OF WISCONSIN

# STANDARD CONFIGURATION DETAILS AUTOTMATIC LICENSE PLATE READER AND SOLAR PANEL SYSTEM (DIRECT EMBED SYSTEM WITH PROVELI SPLICE)

## INDEX OF SHEETS


| SHEET | DESCRIPTION | REV |
|---|---|---|
| T-1 | TITLE SHEET | 0 |
| S-1 | GENERAL NOTES & POLE ASSEMBLY DETAIL | 0 |
| S-2 | EQUIPMENT DETAILS | 0 |
| S-3 | FOUNDATION DETAILS | 0 |
| S-4 | EQUIPMENT DETAILS | 0 |
| R-1 | FROST DEPTH INFORMATION | 0 |
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NOTE: STRUCTURE MUST BE LOCATED A MINIMUM OF 12-FT FROM THE TRAVELWAY.

Flock safety™

PROJECT INFORMATION:

STANDARD CONFIGURATION DETAILS (DIRECT EMBED SYSTEM) AUTOMATIC LICENSE PLATE READER AND SOLAR PANEL SYSTEM

PLANS PREPARED BY:

Kimley»Horn
817 WEST PEACHTREE STREET, NW, SUITE 601, ATLANTA, GA 30308
PHONE: (404) 419-8700
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LICENSER:

WISCONSIN
MICHAEL R DOOLITTLE
E-46398
CARY
NC
PROFESSIONAL ENGINEER
05/01/2023

KHA PROJECT NUMBER:
014681002

| DRAWN BY: | CHECKED BY: |
|---|---|
| MRD | MRD |

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

K:\RAL_Wireless\Flock Safety\KHFS-919 (WI) (Aluminum Direct Embed)\CAD\2023.04.27_POLE DETAIL_Aluminum Direct-Embed (RC 1)_Proveli_(WI)_R0.dwg ---- 04/28/23 3:05 PM by: greg.vanmaaren

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AMENDED PAGE 2 OF 6 ALUMINUM POLE DETAILS

## DESIGN NOTES

1. POLE AND FOUNDATIONS ARE DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES:
   - 1.1. 2015 INTERNATIONAL BUILDING CODE
   - 1.2. AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 2015 EDITION.
2. POLE ANALYSIS AND FOUNDATION DESIGN ARE BASED ON THE FOLLOWING CRITERIA:
   - 2.1. DESIGN WIND SPEED (Vult): 105 MPH (MAXIMUM)
   - 2.2. RISK CATEGORY: LOW / ADT > 10,000 (300-YEAR MRI)
   - 2.3. EXPOSURE CATEGORY: C
   - 2.4. TOPOGRAPHIC CATEGORY: 1
   - 2.5. SEISMIC DESIGN CRITERIA:
     - 2.5.1. SOIL SITE CLASS: D (ASSUMED)
     - 2.5.2. SPECTRAL RESPONSE, Ss: 0.100g (MAXIMUM)
     - 2.5.3. SPECTRAL RESPONSE, S1: 0.050g (MAXIMUM)
     - 2.5.4. SEISMIC DESIGN CATEGORY: D
   - 2.6. FACTORED STRUCTURE BASE REACTIONS ARE CALCULATED AS FOLLOWS:
     - ULTIMATE BASE MOMENT: 2,320 LB-FT
     - ULTIMATE BASE SHEAR: 240 LB
     - ULTIMATE BASE AXIAL: 110 LB
   - 2.7. SHOULD ANY OF THE SITE-SPECIFIC PARAMETERS BE HIGHER THAN WHAT IS NOTED ABOVE, THE EOR SHALL BE CONTACTED TO PROVIDE A REVISED DESIGN.
3. THE TOP OF THE FOUNDATION OUTSIDE OF THE PIPE FOOTPRINT SHALL BE SLOPED BETWEEN 1° AND 3° TO ALLOW FOR ADEQUATE DRAINAGE.
4. THE PROPOSED DETAILS OF THIS DRAWING SHALL NOT BE USED WHERE SOILS CONSIST OF SOFT CLAY, PEAT, OR SOIL WHERE A SMALL DIAMETER REBAR (#5 OR SMALLER) OR METAL PROBE PENETRATES EASILY INTO THE SOIL BY MORE THAN 6" WHEN THE FULL WEIGHT OF A PERSON IS APPLIED. IF UNEXPECTED SOIL IS FOUND ON SITE, THE CONTRACTOR SHALL CONTACT THE EOR FOR DIRECTION.

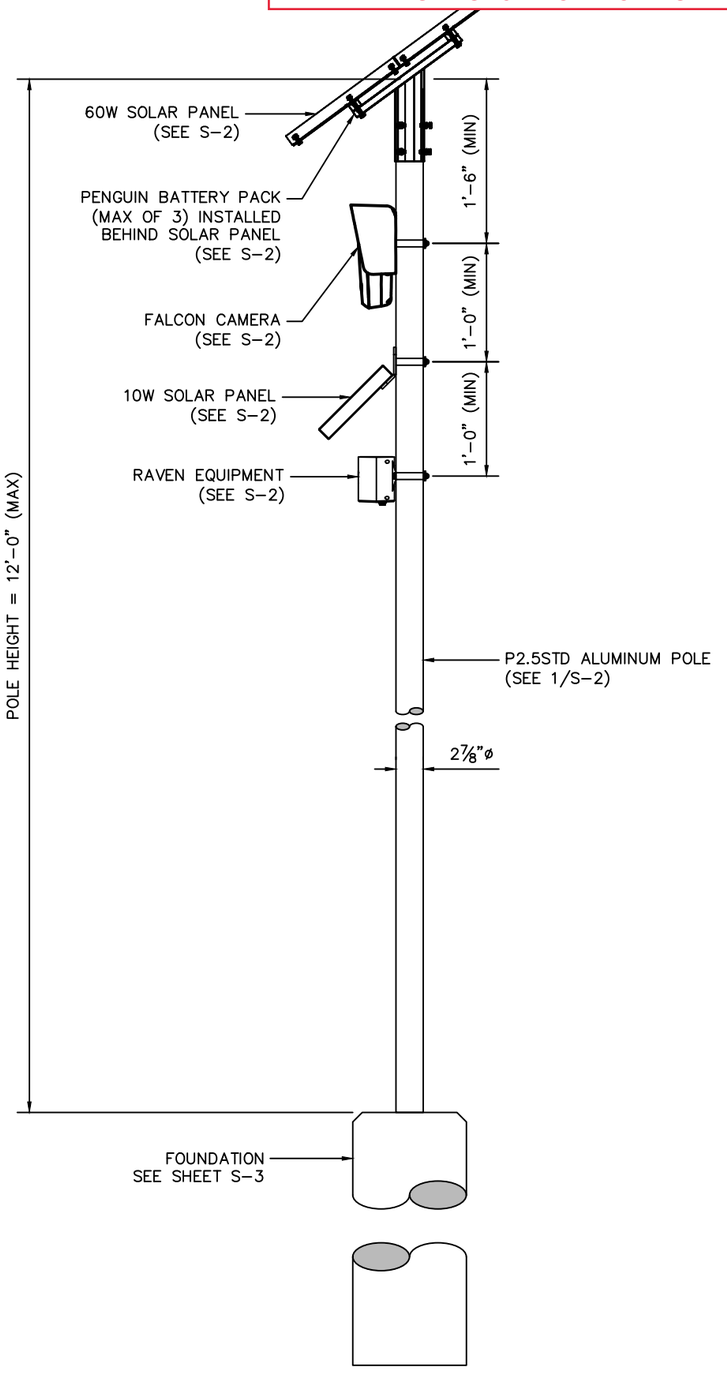
## GENERAL & CONSTRUCTION NOTES

1. CONTRACTOR SHALL CONTACT DESIGNATED AGENCY TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL JURISDICTION STANDARDS.
3. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL SITE CONDITION TO THE SATISFACTION OF STATE DEPARTMENT OF TRANSPORTATION AND LOCAL JURISDICTION.
4. ALL WORK SHALL CONFORM TO APPLICABLE ELECTRICAL CODES EXCEPT WHEN STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION STANDARDS SUPERSEDE.
5. POLE AND PROPOSED EQUIPMENT SHALL BE CONNECTED TO SOLID BARE BOND GROUND AND GROUNDING ROD IN POLE FOUNDATION.
6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS DEFINED BY THE STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION, UNLESS SPECIFICALLY STATED OR SHOWN OTHERWISE HEREIN.

## ADA COMPLIANCE NOTES

1. ALL SIDEWALK CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA TITLE II, STATE DEPARTMENT OF TRANSPORTATION, AND LOCAL JURISDICTION STANDARDS.
2. STATE DEPARTMENT OF TRANSPORTATION CURRENT EDITION STANDARDS SHALL BE USED FOR PEDESTRIAN CONTROL PLANS WHEN CLOSURE OF SIDEWALK IS REQUIRED FOR CONSTRUCTION.
3. MINIMUM CLEAR PEDESTRIAN ACCESS ROUTE (PAR) SHALL BE 48" WIDE.
4. NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK, UP TO AN ELEVATION OF 7'-0" ABOVE GRADE.

**NOTE: STRUCTURE MUST BE LOCATED A MINIMUM OF 12-FT FROM THE TRAVELWAY.**




1 / S-1 POLE ELEVATION DETAIL

SCALE: N/A

Flock safety

PROJECT INFORMATION:

STANDARD CONFIGURATION DETAILS (DIRECT EMBED SYSTEM) AUTOMATIC LICENSE PLATE READER AND SOLAR PANEL SYSTEM

PLANS PREPARED BY:


Kimley»Horn
817 WEST PEACHTREE STREET, NW, SUITE 601,
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PHONE: (404) 419-8700
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LICENSER:

WISCONSIN
MICHAEL R DOOLITTLE
E-46398
CARY, NC
PROFESSIONAL ENGINEER
05/01/2023

KHA PROJECT NUMBER: 014681002

DRAWN BY: MRD | CHECKED BY: MRD

SHEET TITLE: GENERAL NOTES AND POLE ASSEMBLY DETAIL

SHEET NUMBER: S-1

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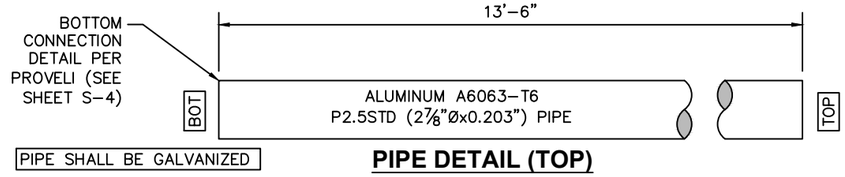
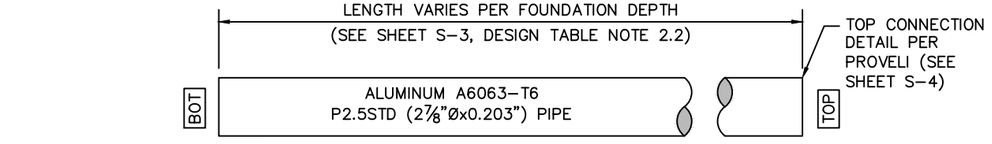


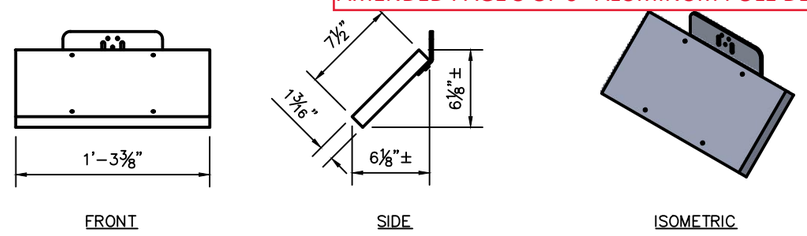

## PIPE DETAIL (TOP)




## EMBED PIPE DETAIL (BOTTOM)

10 WATT SOLAR PANEL WEIGHT = 3 LB. (APPROX.)

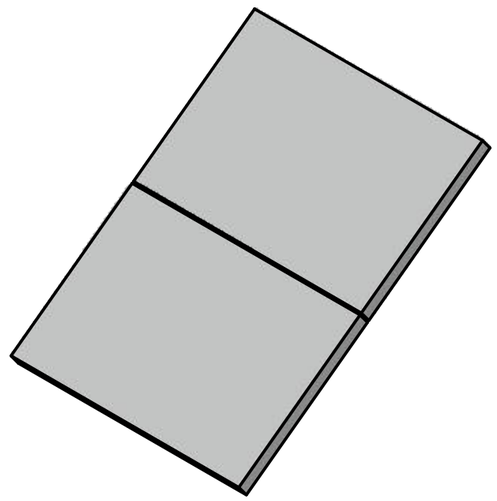
AMENDED PAGE 3 OF 6 ALUMINUM POLE DETAILS




## 10 WATT SOLAR PANEL DETAIL

MOUNTING HARDWARE TO BE PROVIDED BY FLOCK SAFETY

60 WATT SOLAR PANEL WEIGHT = 30 LB. (APPROX.)



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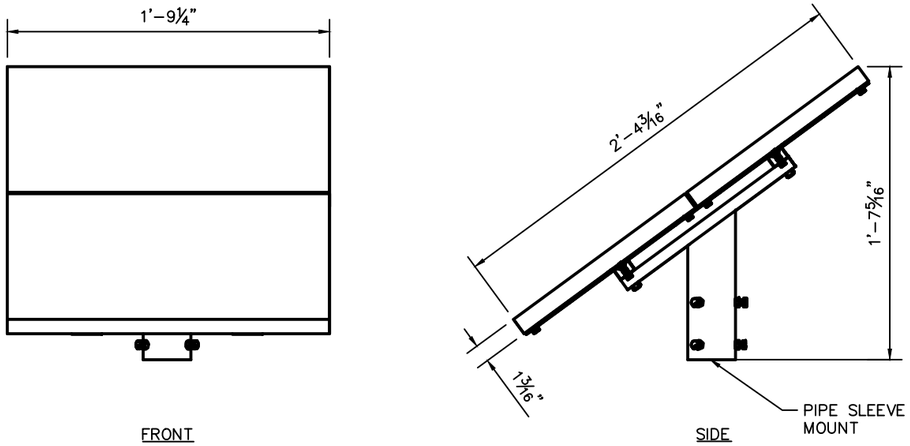
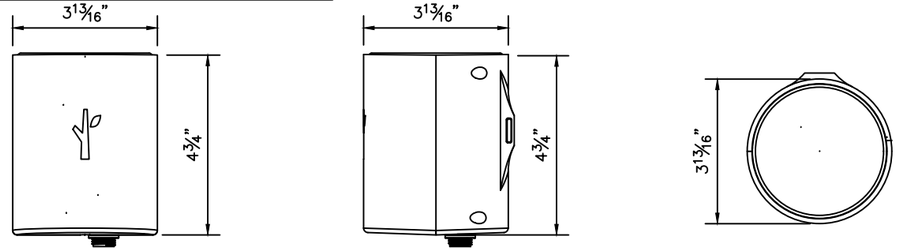



MOUNTING HARDWARE TO BE PROVIDED BY FLOCK SAFETY

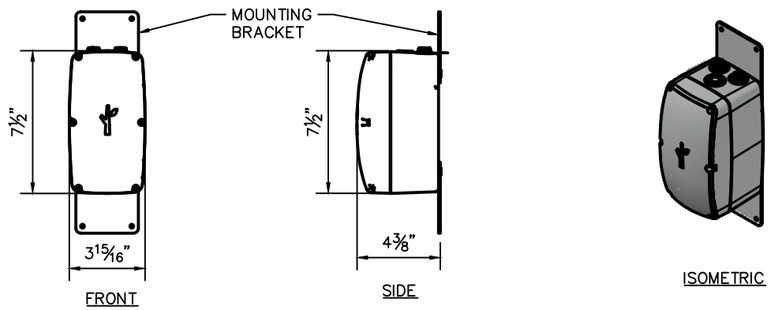
## 60 WATT SOLAR PANEL DETAIL (TOP MOUNTED)

"RAVEN" EQUIPMENT WEIGHT = 2 LB. (APPROX.)




## "RAVEN" EQUIPMENT

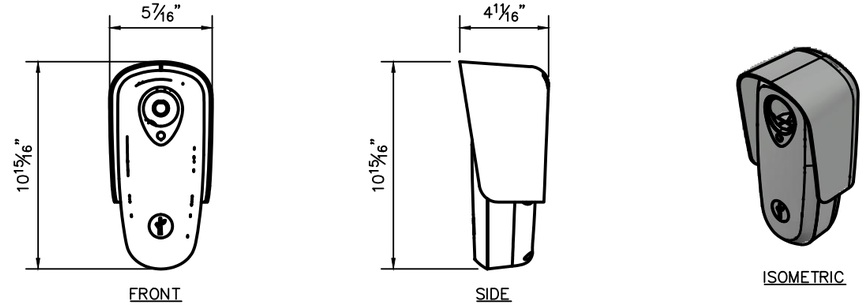
MOUNTING HARDWARE TO BE PROVIDED BY FLOCK SAFETY




"PENGUIN" BATTERY PACK WEIGHT = 5 LB. (APPROX.)

## "PENGUIN" BATTERY PACK

BATTERY PACKS TO BE MOUNTED BEHIND 60W SOLAR PANEL




"FALCON" CAMERA WEIGHT = 5 LB. (APPROX.)

## FLOCK SAFETY "FALCON" CAMERA

MOUNTING HARDWARE TO BE PROVIDED BY FLOCK SAFETY

Flock safety

PROJECT INFORMATION:

STANDARD CONFIGURATION DETAILS (DIRECT EMBED SYSTEM) AUTOMATIC LICENSE PLATE READER AND SOLAR PANEL SYSTEM

PLANS PREPARED BY:

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LICENSER:

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MICHAEL R DOOLITTLE
E-46398
CARY, NC
PROFESSIONAL ENGINEER
05/01/2023

KHA PROJECT NUMBER:

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| MRD | MRD |

SHEET TITLE:

EQUIPMENT DETAILS

SHEET NUMBER:

S-2

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AMENDED PAGE 4 OF 6 ALUMINUM POLE DETAILS

## FOUNDATION DESIGN NOTES

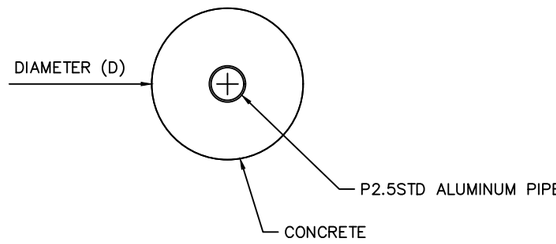
1. FOUNDATION DESIGN REACTIONS ARE BASED ON INTERNAL CALCULATIONS BY KIMLEY-HORN. ANALYSIS CRITERIA CAN BE FOUND ON SHEET S-1.
2. FOUNDATION MAY BE CAST-IN-PLACE, OR PRECAST.
3. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI
   - 3.A. MIX DESIGN TO BE IN ACCORDANCE WITH ACI 318, CHAPTER 26
   - 3.B. COARSE AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33 SIZE #57
   - 3.C. COLD WEATHER PLACEMENT SHALL COMPLY WITH ACI 306.1
   - 3.D. HOT WEATHER PLACEMENT SHALL COMPLY WITH ACI 305 R
4. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 1"
5. CONTRACTOR SHALL VERIFY THAT THE PROPOSED FOUNDATION CAN BE BUILT AS SHOWN. CONTRACTOR SHALL OBTAIN EOR APPROVAL FOR ANY CHANGES TO THE PROPOSED DESIGN.
6. CONTRACTOR SHALL FIELD VERIFY THE PRESENCE OF GROUNDWATER IN THE TOP 10-FT OF SOIL PRIOR TO CONSTRUCTION. IF GROUNDWATER IS ENCOUNTERED, ONE OF THE FOLLOWING METHODS SHALL BE IMPLEMENTED:
   - 6.A. THE CONTRACTOR SHALL PUMP EXCESS WATER OUT OF A BORE HOLE THROUGHOUT INSTALLATION PROCESS.
   - 6.B. THE FOUNDATION MAY BE INSTALLED INSIDE INSIDE OF A SONOTUBE THAT EXTENDS TO THE FULL EMBEDMENT DEPTH. SOIL BACKFILL SHALL BE PROPERLY COMPACTED TO A MINIMUM OF 95% OF STANDARD MAXIMUM DENSITY (ASTM D 698, 100 PCF MINIMUM).
   - 6.C. A PL¼" TEMPORARY CASING MAY BE USED DURING INSTALLATION. THE CASING SHALL BE EXTRACTED AS THE CONCRETE IS PLACED SUCH THAT A HEAD OF CONCRETE IS MAINTAINED ABOVE THE BOTTOM OF THE CASING TO PREVENT WATER INTRUSION INTO THE CONCRETE MIX.

### FOUNDATION DESIGN TABLE

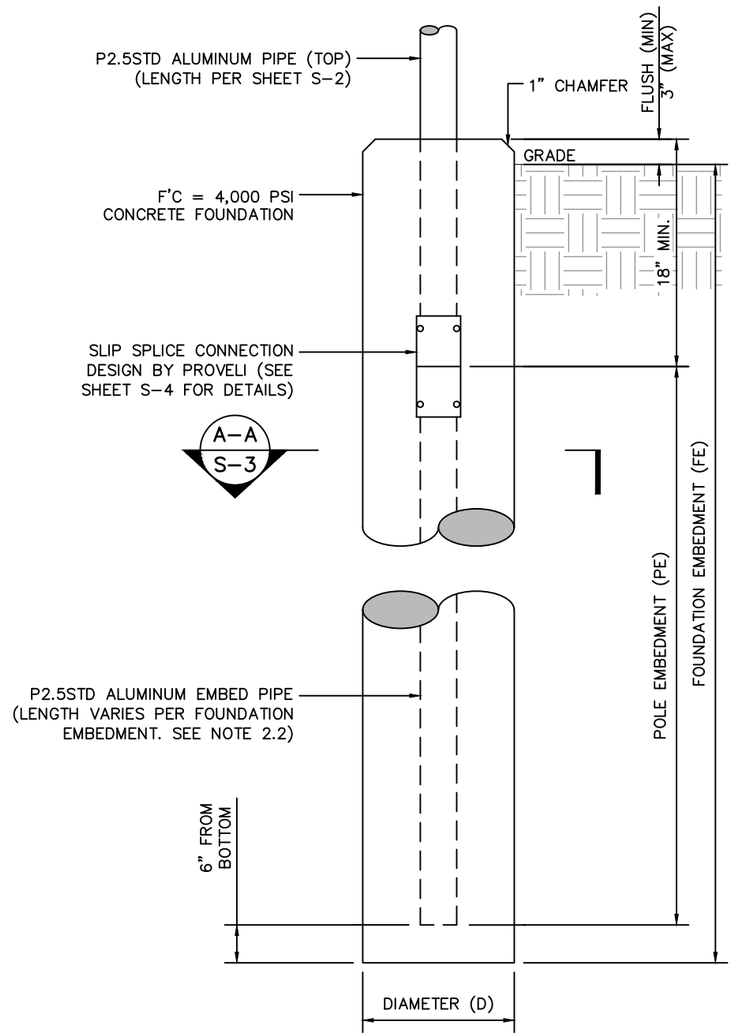
| DIAMETER (D) | FOUNDATION EMBEDMENT (FE) | POLE EMBEDMENT (PE) |
|---|---|---|
| 12"Ø | 5'-0" (SEE NOTE 2) | 3'-0" (SEE NOTE 2.1) |

DESIGN TABLE NOTES:

1. DRAWINGS DENOTE A GENERIC FOUNDATION CONFIGURATION AND ARE NOT TO SCALE. REFER TO TABLE ABOVE FOR OVERALL DIMENSIONS.
2. FOUNDATION EMBEDMENT (FE) SHALL BE THE MAXIMUM OF THE DIMENSIONS SPECIFIED, OR 6" BELOW THE FROST DEPTH APPLICABLE TO THE SITE-SPECIFIC LOCATION. CONTRACTOR SHALL VERIFY FROST DEPTH PRIOR TO CONSTRUCTION. SEE SHEET R-1 FOR ADDITIONAL INFORMATION.
   - 2.1. POLE EMBEDMENT (PE) SHALL TERMINATE 6" LESS THAN THE FOUNDATION EMBEDMENT (FE) FOR ALL FINAL CONFIGURATIONS.
   - 2.2. FINAL EMBED PIPE LENGTH SHALL BE THE SPECIFIED FOUNDATION EMBEDMENT (FE) REQUIRED TO MEET FROST DEPTH REQUIREMENTS MINUS 2-FT. FINAL EMBED PIPE SIZES MAY VARY ACCORDINGLY, FIELD CUT TO LENGTH AS REQUIRED.
   - 2.3. PIPES SHALL BE JOINED TOGETHER IN ACCORDANCE WITH REFERENCED PROVELI SLIP SPLICED CONNECTION DETAIL. CONTACT PROVELI FOR DESIGN STRENGTH CALCULATIONS.




SECTION A-A




1 / S-3 FOUNDATION DETAIL

SCALE: N/A


flock safety

PROJECT INFORMATION:

STANDARD CONFIGURATION DETAILS (DIRECT EMBED SYSTEM) AUTOMATIC LICENSE PLATE READER AND SOLAR PANEL SYSTEM

PLANS PREPARED BY:

Kimley»Horn

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LICENSER:

WISCONSIN
MICHAEL R DOOLITTLE
E-46398
CARY, NC
PROFESSIONAL ENGINEER

05/01/2023

KHA PROJECT NUMBER: 014681002

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SHEET TITLE: FOUNDATION DETAILS

SHEET NUMBER: S-3

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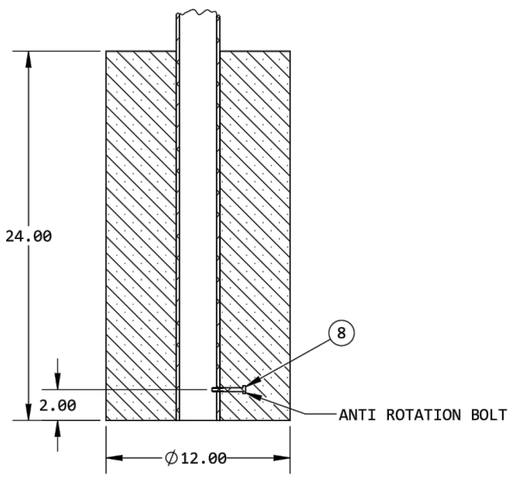
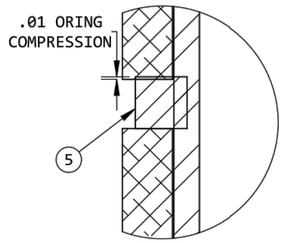
AMENDED PAGE 5 OF 6 ALUMINUM POLE DETAILS

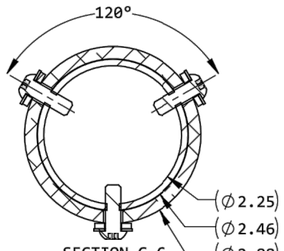
| # | DESCRIPTION | QTY. |
|---|---|---|
| 1 | 2.5" SCH 40 2.875OD 74.000L | 1 |
| 2 | 2.5" SCH 40 2.875OD 94.000L | 1 |
| 3 | BUT TORX 0.250-20 TAMPER-RESISTANT | 6 |
| 4 | INSERT SLEEVE STYLE 7 TAPPED | 1 |
| 5 | ORING | 1 |
| 6 | WASHER | 6 |
| 7 | CONCRETE FOOTING | 1 |
| 8 | HBOLT 0.2500-20 | 1 |



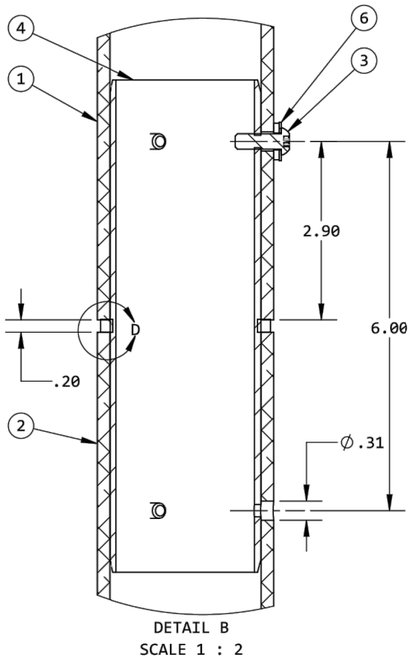

DETAIL E
SCALE 1 : 8



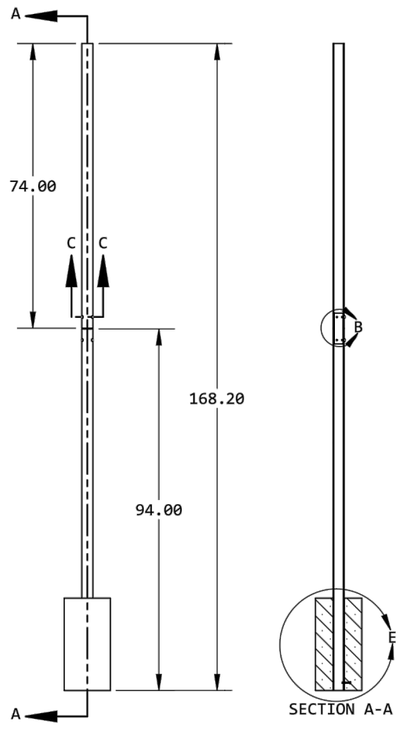

DETAIL D
SCALE 2 : 1




SECTION C-C
SCALE 1 : 2




DETAIL B
SCALE 1 : 2







SECTION A-A

| PROVELI | BY | CSC |
|---|---|---|
| bringing attention to the curb | DATE | 9/3/2019 |
| | REV | B |

DESCRIPTION:
STYLE 7 COUPLER ASSEMBLY

PART #: 1020-01

| | |
|---|---|
| DIM ARE IN INCHES<br>TOLERANCES: (REF)<br>FRACTION ±1/16<br>ANGLE ±1.0°<br>X.XX ±0.03<br>X.XXX ±0.015<br>X.XXXX ±0.0050 | MATERIAL: VARIES<br>WEIGHT: 168.42 LBS<br>DO NOT SCALE DRAWING |
| SIZE: B | DWG #: PIPE COUPLER ASM |
| SCALE 1:32 | SHEET 2 OF 1 |

PROPRIETARY AND CONFIDENTIAL
THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THIS DRAWING IS THE SOLE PROPERY OF PROVELI. REPRODUCTION OF OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT WRITTEN CONSENT OF PROVELI.

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PROJECT INFORMATION:

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PLANS PREPARED BY:

Kimley»Horn
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PHONE: (404) 419-8700
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KHA PROJECT NUMBER:
014681002

| DRAWN BY: | CHECKED BY: |
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| MRD | MRD |

SHEET TITLE:
EQUIPMENT DETAILS

SHEET NUMBER:
S-4

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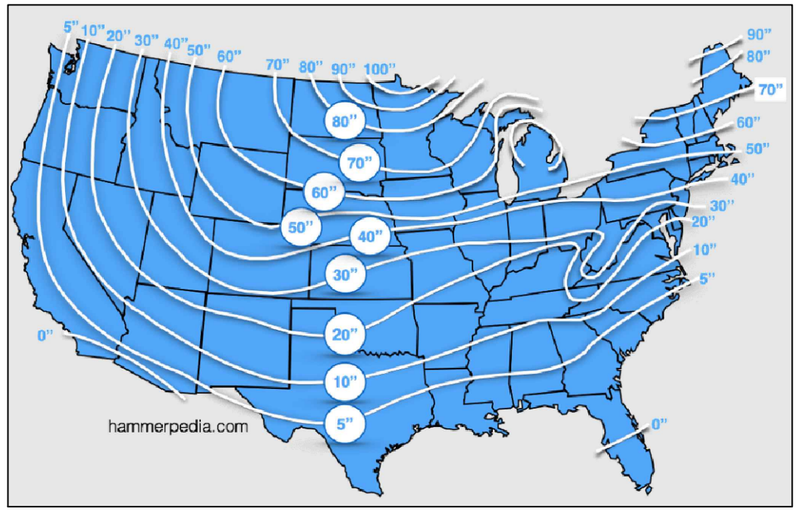
## FROST DEPTH NOTES

1. ESTIMATED FROST DEPTHS FOR VARIOUS COUNTIES ARE LISTED IN THE PROVIDED TABLES.
2. CONTRACTOR IS RESPONSIBLE FOR VERIFYING FROST DEPTHS WITH THE LOCAL JURISDICTION REQUIREMENTS.




| State | County | Design Frost Depth (in.) |
|---|---|---|
| WI | ADAMS | 70 |
| WI | ASHLAND | 80 |
| WI | BARRON | 80 |
| WI | BAYFIELD | 80 |
| WI | BROWN | 60 |
| WI | BUFFALO | 80 |
| WI | BURNETT | 80 |
| WI | CALUMET | 60 |
| WI | CHIPPEWA | 80 |
| WI | CLARK | 70 |
| WI | COLUMBIA | 60 |
| WI | CRAWFORD | 70 |
| WI | DANE | 60 |
| WI | DODGE | 60 |
| WI | DOOR | 60 |
| WI | DOUGLAS | 80 |
| WI | DUNN | 80 |
| WI | EAU CLAIRE | 80 |
| WI | FLORENCE | 70 |
| WI | FOND DU LAC | 60 |
| WI | FOREST | 70 |
| WI | GRANT | 60 |
| WI | GREEN | 60 |
| WI | GREEN LAKE | 70 |
| WI | IOWA | 60 |
| WI | IRON | 80 |
| WI | JACKSON | 80 |
| WI | JEFFERSON | 60 |
| WI | JUNEAU | 70 |
| WI | KENOSHA | 60 |
| WI | KEWAUNEE | 60 |
| WI | LA CROSSE | 70 |
| WI | LAFAYETTE | 60 |
| WI | LANGLADE | 70 |
| WI | LINCOLN | 80 |
| WI | MANITOWOC | 60 |
| WI | MARATHON | 80 |
| WI | MARINETTE | 60 |
| WI | MARQUETTE | 70 |
| WI | MENOMINEE | 70 |
| WI | MILWAUKEE | 60 |
| WI | MONROE | 70 |
| WI | OCONTO | 60 |
| WI | ONEIDA | 80 |
| WI | OUTAGAMIE | 70 |
| WI | OZAUKEE | 60 |

AMENDED PAGE 6 OF 6 ALUMINUM POLE DETAILS

| State | County | Design Frost Depth (in.) |
|---|---|---|
| WI | PEPIN | 80 |
| WI | PIERCE | 80 |
| WI | POLK | 80 |
| WI | PORTAGE | 70 |
| WI | PRICE | 80 |
| WI | RACINE | 60 |
| WI | RICHLAND | 70 |
| WI | ROCK | 60 |
| WI | RUSK | 80 |
| WI | SAINT CROIX | 80 |
| WI | SAUK | 70 |
| WI | SAWYER | 80 |
| WI | SHAWANO | 70 |
| WI | SHEBOYGAN | 60 |
| WI | TAYLOR | 80 |
| WI | TREMPEALEAU | 80 |
| WI | VERNON | 70 |
| WI | VILAS | 80 |
| WI | WALWORTH | 60 |
| WI | WASHBURN | 80 |
| WI | WASHINGTON | 60 |
| WI | WAUKESHA | 60 |
| WI | WAUPACA | 70 |
| WI | WAUSHARA | 70 |
| WI | WINNEBAGO | 70 |
| WI | WOOD | 70 |

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LICENSER:

WISCONSIN
MICHAEL R DOOLITTLE
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CARY, NC
PROFESSIONAL ENGINEER
05/01/2023

KHA PROJECT NUMBER: 014681002

| DRAWN BY: | CHECKED BY: |
|---|---|
| MRD | MRD |

SHEET TITLE: FROST DEPTH REQUIREMENTS

SHEET NUMBER: R-1

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